

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DE2004/002668

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B32B1/08 B32B25/14 F16L11/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B32B F16L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 848 794 B (PHOENIX AKTIENGESELLSCHAFT) 24 June 1998 (1998-06-24) cited in the application	1, 4
A	paragraphs '0006!', '0013!; claims 4,5,13; figure 2	10
X	EP 0 821 035 A (THE YOKOHAMA RUBBER CO., LTD) 28 January 1998 (1998-01-28)	1, 8, 20-22
Y	claims 7,11,19,21-33,56,57,63,64,69; figure 1	2-4, 8, 9, 12-14, 20-22, 24
X	US 4 603 712 A (KRAUSE ET AL) 5 August 1986 (1986-08-05) claims 1,9; figure 1	1

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

6 September 2005

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PCT/DE2004/002668

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 427 831 A (STEVENS ET AL) 27 June 1995 (1995-06-27) claims 1,2,7-9,12,13,15,16; figure 2 -----	1
Y	EP 0 862 996 A (HUTCHINSON) 9 September 1998 (1998-09-09) column 5, line 33; claim 1 -----	2-4,20
Y	EP 0 895 013 A (DAYCO PRODUCTS, INC; PARKER-HANNIFIN CORPORATION) 3 February 1999 (1999-02-03) claims 1,3,4,9,10 -----	8,9, 12-14, 20-22,24
A	US 6 068 026 A (GAROIS ET AL) 30 May 2000 (2000-05-30) column 3, lines 48-55; claims 1,6; figure -----	12,13, 15,16, 20,21

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE2004/002668

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0848794	B	24-06-1998	DE 59601397 D1	08-04-1999
			DK 848794 T3	04-10-1999
			EP 0848794 A1	24-06-1998
			HU 9901174 A2	30-08-1999
			JP 11512170 T	19-10-1999
			US 6009911 A	04-01-2000
			AT 177178 T	15-03-1999
			WO 9709558 A1	13-03-1997
			DE 19635487 A1	13-03-1997
			ES 2131411 T3	16-07-1999
EP 0821035	A	28-01-1998	JP 9221536 A	26-08-1997
			JP 10052887 A	24-02-1998
			JP 10089550 A	10-04-1998
			JP 10130433 A	19-05-1998
			JP 10128885 A	19-05-1998
			JP 9272788 A	21-10-1997
			JP 10132154 A	22-05-1998
			JP 10219036 A	18-08-1998
			DE 69731261 D1	25-11-2004
			EP 0821035 A1	28-01-1998
			KR 265221 B1	15-09-2000
			KR 264746 B1	16-08-2000
			KR 264747 B1	16-08-2000
			KR 264748 B1	16-08-2000
			US 6179008 B1	30-01-2001
			WO 9729153 A1	14-08-1997
			US 6526859 B1	04-03-2003
			JP 10182952 A	07-07-1998
US 4603712	A	05-08-1986	AU 588289 B2	14-09-1989
			AU 5480886 A	02-10-1986
			CA 1266818 A1	20-03-1990
			JP 2035463 C	28-03-1996
			JP 7064043 B	12-07-1995
			JP 61241141 A	27-10-1986
US 5427831	A	27-06-1995	US 5320888 A	14-06-1994
			AU 7054594 A	29-05-1995
			DE 69430250 D1	02-05-2002
			DE 69430250 T2	24-10-2002
			EP 0728070 A1	28-08-1996
			JP 9505006 T	20-05-1997
			WO 9513186 A1	18-05-1995
EP 0862996	A	09-09-1998	FR 2760401 A1	11-09-1998
			EP 0862996 A1	09-09-1998
EP 0895013	A	03-02-1999	US 6074717 A	13-06-2000
			AT 248312 T	15-09-2003
			CA 2244321 A1	29-01-1999
			DE 69817483 D1	02-10-2003
			DE 69817483 T2	01-07-2004
			EP 0895013 A2	03-02-1999
US 6068026	A	30-05-2000	FR 2759018 A1	07-08-1998
			BR 9800545 A	28-11-2000
			DE 69823076 D1	19-05-2004

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE2004/002668

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6068026	A	DE 69823076 T2	17-03-2005
		EP 0857570 A1	12-08-1998
		ES 2219852 T3	01-12-2004
		JP 10217372 A	18-08-1998
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